

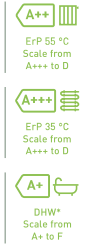
## Aquarea High Performance Hydraulic L Series Single phase. Heating and Cooling - R290

**Natural refrigerant R290 with GWP 3.**

**Energy efficiency:** A+++ in heating at 35 °C.

**Flexibility:** Hydraulic connection between indoor and outdoor / Built-in magnetic water filter.

**Comfort:** Operation without backup heating at -25 °C / 75 °C water outlet temperature maximum at -10 °C outside temperature / 55 °C hot water even at -25 °C outside temperature.



\* For All in One.

### Combination table

Indoor unit					Outdoor unit				
	Backup heater capacity	DHW tank capacity	Electrical Anode	2 zones	Heating capacity				
					Single phase (power to indoor)				
					5,0 kW	7,0 kW	9,0 kW		
					WH-WDG05LE5	WH-WDG07LE5	WH-WDG09LE5		
Hydraulic All in One	1ph	3 kW	185 L	—	—	WH-ADC0509L3E5	✓	✓	✓
		3 kW	185 L	✓	—	WH-ADC0509L3E5AN	✓	✓	✓
		3 kW	185 L	—	✓	WH-ADC0509L3E5B	✓	✓	✓
		6 kW	185 L	—	—	WH-ADC0509L6E5	✓	✓	✓
		6 kW	185 L	✓	—	WH-ADC0509L6E5AN	✓	✓	✓
Hydraulic Bi-bloc	1ph	3 kW	—	—	—	WH-SDC0509L3E5	✓	✓	✓
		6 kW	—	—	—	WH-SDC0509L6E5	✓	✓	✓

Outdoor unit		WH-WDG05LE5	WH-WDG07LE5	WH-WDG09LE5	
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	5,00/5,05	7,00/4,93	9,00/4,55
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	5,00/3,07	7,00/2,98	8,90/3,03
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	5,00/3,52	6,85/3,43	7,00/3,41
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	5,00/2,34	6,25/2,34	7,00/2,41
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	5,00/3,01	5,80/3,01	7,00/2,80
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	5,00/2,12	5,80/2,12	7,00/2,13
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	5,00/3,23	7,00/3,03	8,20/2,82
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	5,00/5,00	7,00/4,73	9,00/4,19
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	5,06/3,63(200/142)	4,96/3,62(195/142)	4,84/3,67(190/144)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,00/4,27(237/168)	6,31/4,52(249/178)	6,44/4,50(255/177)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,25/3,28(167/128)	4,25/3,29(167/129)	4,31/3,33(170/130)
	Energy class <sup>1)</sup>	A+++ to D	A++/A++	A++/A++	A++/A++
Sound power <sup>2)</sup>	Heat	dB(A)	52	53	54
Dimension / Net weight	H x W x D	mm / kg	996 x 980 x 430 / 98	996 x 980 x 430 / 98	996 x 980 x 430 / 97
Refrigerant (R290) / CO <sub>2</sub> Eq.		kg / T	0,96/0,003	0,96/0,003	1,00/0,003
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 75/5 ~ 20	20 ~ 75/5 ~ 20	20 ~ 75/5 ~ 20

1) Scale from A+++ to D. 2) The sound power level is measured with accordance to EN12102 under conditions of the EN14825 (part load). \* EER and COP calculation is based in accordance to EN14511.



DHW A+; For All in One, INTERNET CONTROL: Wi-Fi adapter included.

## All in One:

**Energy efficiency:** A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP 3,60.

**Flexibility:** Built-in 2 zone kit (for 2 zones models) / Installation in harsh water conditions (for models with Electrical Anode).

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Wi-Fi adapter included.

Indoor unit			WH-ADC0509L3E5	WH-ADC0509L6E5
Indoor unit 2 zones			WH-ADC0509L3E5B	—
Indoor unit with Electrical Anode			WH-ADC0509L3E5AN	WH-ADC0509L6E5AN
Sound pressure	Heat / Cool	dB(A)	28/28	28/28
Dimension	HxWxD	mm	1642x599x602	1642x599x602
Net weight / 2 zones model		kg	93/101	94/—
Water pipe connector	Room	Inch	1¼	1¼
	Shower	Inch	¾	¾
A class pump	Number of speeds		Variable speed	Variable speed
	Input power (Min/Max)	W	30/145	30/145
Heating water flow (ΔT=5 K, 35 °C)		L/min	14,3	25,8
Water volume		L	185	185
Maximum DHW temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1/1	1/1
Pipe length range standard / maximum		m	5/30	5/30
Elevation difference (in / out)		m	10	10
Electric backup heater		kW	3,00	6,00
Recommended RCD, supply 1 / 2		A	25/16	25/30
Recommended minimum cable size, supply 1 / 2 <sup>1)</sup>		mm <sup>2</sup>	3x2,5/3x1,5	3x2,5/3x4,0

### Domestic Hot Water energy efficiency

Indoor unit	WH-ADC0509L3E5			WH-ADC0509L3E5AN			WH-ADC0509L3E5B		
	WH-ADC0509L3E5AN			WH-ADC0509L3E5AN			WH-ADC0509L3E5AN		
	WH-ADC0509L3E5B			WH-ADC0509L3E5B			WH-ADC0509L3E5B		
	WH-ADC0509L6E5			WH-ADC0509L6E5			WH-ADC0509L6E5		
	WH-ADC0509L6E5AN			WH-ADC0509L6E5AN			WH-ADC0509L6E5AN		
	WH-ADC0509L6E5AN			WH-ADC0509L6E5AN			WH-ADC0509L6E5AN		
Outdoor unit	WH-WDG05LE5			WH-WDG07LE5			WH-WDG09LE5		
Tapping profile according EN16147	L			L			L		
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>	A+ to F			A+/A+/A			A+/A+/A		
DHW tank ERP average climate η / COPdHW	η <sub>wh</sub> % / COPdHW			148/3,61			148/3,61		
DHW tank ERP warm climate η / COPdHW	η <sub>wh</sub> % / COPdHW			160/4,00			160/4,00		
DHW tank ERP cold climate η / COPdHW	η <sub>wh</sub> % / COPdHW			112/2,80			112/2,80		

1) Check local regulations. 2) Scale from A+ to F. \*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

## Bi-bloc:

**Flexibility:** Flexible choice of DHW tank size.

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Wi-Fi adapter included.

Indoor unit			WH-SDC0509L3E5	WH-SDC0509L6E5
Sound pressure	Heat / Cool	dB(A)	28/28	28/28
Dimension / Net weight	HxWxD	mm	892x500x348 / 33	892x500x348 / 33
Water pipe connector	Room	Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed
	Input power (Min/Max)	W	30/145	30/145
Heating water flow (ΔT=5 K, 35 °C)		L/min	14,3	20,1
Water pipe connector (indoor / outdoor units)		Inch	1/1	1/1
Pipe length range standard / maximum		m	5/30	5/30
Elevation difference (in / out)		m	10	10
Electric backup heater		kW	3,00	6,00
Recommended RCD, supply 1 / 2		A	25/16	25/30
Recommended minimum cable size, supply 1 / 2 <sup>1)</sup>		mm <sup>2</sup>	3x2,5/3x1,5	3x2,5/3x4,0

1) Check local regulations. \*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

### Common accessories

<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat
<b>PAW-A2W-AFVLV-1</b>	1 antifreeze valve. It is required to order 2 valves per system

### Bi-bloc accessories

<b>PAW-TD20C1E5-1</b>	Tank 200 L - Stainless steel
<b>PAW-TD30C1E5-1</b>	Tank 300 L - Stainless steel
<b>PAW-TA20C1E5STD</b>	Tank 200 L - Enamelled
<b>PAW-TA30C1E5STD</b>	Tank 300 L - Enamelled
<b>PAW-3WYVLV-HW</b>	3 way valve for DHW tanks
<b>CZ-NV2</b>	3 way valve kit to fit inside the hydrokit. K and L Series
<b>PAW-BTANK50L-2</b>	Buffer tank 50 L

## Aquarea High Performance Mono-bloc J Series Single phase. Heating and Cooling - MDC - R32

011-1W0398  
011-1W0399  
011-1W0400



**Energy efficiency:** A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.

**Flexibility:** Built-in magnetic water filter / Built-in 6L expansion vessel.

**Comfort:** Operating range and heating curve down to -20 °C / 60 °C water outlet temperature / Cooling mode down to +10 °C.

**Control:** Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



				Single phase		
Outdoor unit				WH-MDC05J3E5	WH-MDC07J3E5	WH-MDC09J3E5
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP		5,00/5,08	7,00/4,76	9,00/4,48
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP		5,00/3,01	7,00/2,82	8,95/2,78
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP		5,00/3,57	7,00/3,40	7,45/3,13
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP		5,00/2,27	6,30/2,16	7,00/2,12
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP		5,00/2,78	6,80/2,81	7,50/2,63
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP		5,00/1,85	6,30/1,86	7,00/1,80
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER		5,00/3,31	7,00/3,06	9,00/2,71
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER		5,00/5,05	7,00/4,73	9,00/4,25
Heating average climate (W 35 °C / W 55 °C)		Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	5,12/3,63 [202/142]	4,90/3,32 [193/130]	4,90/3,32 [193/130]
		Energy class		A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)		Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,00/4,20 [237/165]	5,75/4,07 [227/160]	5,75/4,07 [227/160]
		Energy class		A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)		Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,08/2,95 [160/115]	4,18/2,98 [164/116]	4,18/2,98 [164/116]
		Energy class		A++ / A+	A++ / A+	A++ / A+
Sound power <sup>1)</sup>		Heat	dB(A)	59	59	59
Dimension		H x W x D	mm	865 x 1283 x 320	865 x 1283 x 320	865 x 1283 x 320
Net weight			kg	99	104	104
Refrigerant [R32] / CO <sub>2</sub> Eq. <sup>2)</sup>			kg / T	1,3/0,878	1,3/0,878	1,3/0,878
Water pipe connector			Inch	R 1¼	R 1¼	R 1¼
Pump		Number of speeds		Variable speed	Variable speed	Variable speed
		Input power [Min/Max]	W	34/96	36/100	39/108
Heating water flow [ΔT=5 K, 35 °C]			L/min	14,3	20,1	25,8
Electric backup heater			kW	3,00	3,00	3,00
Input power		Heat	kW	0,985	1,47	2,01
		Cool	kW	1,51	2,29	3,32
Running and starting current		Heat	A	4,7	7,0	9,3
		Cool	A	7,0	10,5	14,7
Current 1			A	12	17	17
Current 2			A	13	13	13
Recommended fuse			A	30/15	30/15	30/16
Recommended minimum cable size, supply 1 / 2 <sup>3)</sup>			mm <sup>2</sup>	3x1,5/3x1,5	3x2,5/3x1,5	3x2,5/3x1,5
Operating range - outdoor ambient		Heat	°C	-20 ~ 35	-20 ~ 35	-20 ~ 35
		Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet		Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60
		Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20

1) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7 °C. 2) WH-MDC models are hermetically sealed. 3) Check local regulations. \* EER and COP calculation is based in accordance to EN14511.

Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-TD20B8E3-2	Combo Tank 185 L + 80 L - Enamelled
PAW-TD23B6E5	Combo Tank 230 L + 60 L - Stainless steel
PAW-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L

Accessories	
CZ-TAW1B	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRESLESS	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

## Aquarea High Performance Mono-bloc H Series Single phase. Heating and Cooling - MDC - R410A

**Energy efficiency:** A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.

**Flexibility:** Optional magnet for the water filter.

**Comfort:** Operating range and heating curve down to -20 °C / 55 °C water outlet temperature.

**Control:** Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.

011-1W0509



ErP 55 °C  
Scale from  
A+++ to D



ErP 35 °C  
Scale from  
A+++ to D

### Single phase

Outdoor unit			WH-MDC12H6E5	WH-MDC16H6E5
Heating capacity / COP [A +7 °C, W 35 °C]		kW / COP	12,00/4,74	16,00/4,28
Heating capacity / COP [A +7 °C, W 55 °C]		kW / COP	12,00/2,93	14,50/2,72
Heating capacity / COP [A +2 °C, W 35 °C]		kW / COP	11,40/3,44	13,00/3,28
Heating capacity / COP [A +2 °C, W 55 °C]		kW / COP	9,10/2,23	9,80/2,21
Heating capacity / COP [A -7 °C, W 35 °C]		kW / COP	10,00/2,73	11,40/2,57
Heating capacity / COP [A -7 °C, W 55 °C]		kW / COP	8,20/1,95	9,00/1,84
Cooling capacity / EER [A 35 °C, W 7 °C]		kW / EER	10,00/2,81	12,20/2,56
Cooling capacity / EER [A 35 °C, W 18 °C]		kW / EER	9,39/4,65	11,40/4,10
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	4,82/3,42(190/134)	4,82/3,33(190/130)
	Energy class	A+++ to D	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	6,20/4,05(245/159)	6,20/4,30(245/169)
	Energy class	A+++ to D	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	4,28/3,10(168/121)	4,28/3,10(168/121)
	Energy class	A+++ to D	A++ / A+	A++ / A+
Sound power <sup>1)</sup>	Heat	dB(A)	65	65
Dimension	HxWxD	mm	1410x1283x320	1410x1283x320
Net weight		kg	140	140
Refrigerant [R410A] / CO <sub>2</sub> Eq. <sup>2)</sup>		kg / T	2,10/4,385	2,10/4,385
Water pipe connector		Inch	R 1½	R 1½
Pump	Number of speeds		Variable speed	Variable speed
	Input power (Min/Max)	W	34/110	38/120
Heating water flow [ΔT=5 K, 35 °C]		L/min	34,4	45,9
Electric backup heater		kW	6,00	6,00
Input power	Heat	kW	2,53	3,74
	Cool	kW	3,56	4,76
Running and starting current	Heat	A	11,7	16,9
	Cool	A	16,2	21,5
Current 1		A	24,0	26,0
Current 2		A	26,0	26,0
Recommended fuse		A	30/30	30/30
Recommended minimum cable size, supply 1 / 2 <sup>3)</sup>		mm <sup>2</sup>	3x4,0 ou 6,0/3x4,0	3x4,0 ou 6,0/3x4,0
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-20 ~ +35
	Cool	°C	+16 ~ +43	+16 ~ +43
Water outlet	Heat	°C	25 ~ 55	25 ~ 55
	Cool	°C	5 ~ 20	5 ~ 20

1) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7 °C. 2) WH-MDC models are hermetically sealed. 3) Check local regulations. \* EER and COP calculation is based in accordance to EN14511.

Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-TD20B8E3-2	Combo Tank 185 L + 80 L - Enamelled
PAW-TD23B6E5	Combo Tank 230 L + 60 L - Stainless steel
PAW-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L

Accessories	
CZ-TAW1B	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
PAW-A2W-MGTFILTER	Magnet for the water filter
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat



INTERNET CONTROL: Optional.



## Aquarea K Series

Aquarea K Generation gives you even more.

Highly efficient Panasonic solutions can help to significantly reduce the energy consumption of the house, at the same time a high level of comfort and good indoor air quality are kept.



### Ventilation unit on top for a low-energy house

Heat recovery ventilation units are ideal for homes, for these owners who are looking for high performance and maximum comfort.

Combine the Residential ventilation unit with Panasonic Aquarea for an space saving and highly efficient solution for heating, cooling, ventilation and DHW.

### Aquarea + PV panels

Aquarea Heat Pumps can synchronise with PV panels, using the optional PCB CZ-NS5P. Thanks to this feature, demand of heating, cooling and domestic hot water production is adapted to the PV panel production.

### Smart Grid Ready

Aquarea K Generation heat pumps in combination with the optional PCB CZ-NS5P hold the SG Ready function, allowing the heat pump to be connected in an intelligent grid control.

**Remote controller designed in harmony with the whole system, with optimised user interface and improved features.**

#### Smart bivalency.

Cost effective bivalent mode with power tariff logic.

#### Optimised user interface.

Each touch point designed in harmony, with optimised user interface across the range.

#### Dual controller system.

A dual controller system, for independent control of two zones, within the home.



### Aquarea High Performance All in One K Series Single phase. Heating and Cooling - R32

**Energy efficiency:** COP up to 5,33 / A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,50.

**Flexibility:** 598 x 600 footprint / Easy access to hydraulic parts / Built-in magnetic water filter.

**Comfort:** Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features [2 zone control, bivalent control].

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



		Single phase [power to indoor]							
		KIT-ADC03K3E5	KIT-ADC05K3E5	KIT-ADC07K3E5	KIT-ADC09K3E5	—			
		KIT-ADC03K6E5	KIT-ADC05K6E5	KIT-ADC07K6E5	KIT-ADC09K6E5	KIT-ADC12K6E5*			
Heating capacity / COP [A +7 °C, W 35 °C]	kW / COP	3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55	12,10/4,78			
Heating capacity / COP [A +7 °C, W 55 °C]	kW / COP	3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93	12,00/2,96			
Heating capacity / COP [A +2 °C, W 35 °C]	kW / COP	3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40	11,50/3,44			
Heating capacity / COP [A +2 °C, W 55 °C]	kW / COP	3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18	9,20/2,25			
Heating capacity / COP [A -7 °C, W 35 °C]	kW / COP	3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84	10,10/2,74			
Heating capacity / COP [A -7 °C, W 55 °C]	kW / COP	3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93	8,40/1,97			
Cooling capacity / EER [A 35 °C, W 7 °C]	kW / EER	3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72	10,70/2,68			
Cooling capacity / EER [A 35 °C, W 18 °C]	kW / EER	3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18	10,70/3,92			
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	5,07/3,47(200/136)	5,12/3,63(202/142)	4,90/3,62(193/142)	4,44/3,41(175/133)	4,58/3,33(180/130)		
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++		
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	6,20/4,20(245/165)	6,00/4,20(237/165)	5,75/4,07(227/160)	5,75/4,07(227/160)	6,47/4,34(256/171)		
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++		
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	4,00/2,83(157/110)	4,08/2,95(160/115)	4,18/2,98(164/116)	4,18/2,98(164/116)	4,31/3,26(169/127)		
	Energy class <sup>1)</sup>	A+++ to D	A++/A+	A++/A+	A++/A+	A++/A+	A++/A++		
<b>Indoor unit 3 kW electric heater</b>		<b>WH-ADC0309K3E5</b>	<b>WH-ADC0309K6E5</b>	<b>WH-ADC0309K3E5</b>	<b>WH-ADC0309K6E5</b>	—			
<b>Indoor unit 6 kW electric heater</b>		<b>WH-ADC0309K6E5</b>	<b>WH-ADC0309K6E5</b>	<b>WH-ADC0309K6E5</b>	<b>WH-ADC0309K6E5</b>	<b>WH-ADC0912K6E5</b>			
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28	33/33			
Dimension	HxWxD	mm	1642x599x602	1642x599x602	1642x599x602	1642x599x602			
Net weight 3 kW / 6 kW		kg	100/101	100/101	100/101	—/101			
Water pipe connector		Inch	R 1½	R 1½	R 1½	R 1½			
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed			
	Input power	W	145	145	145	145			
Heating water flow [ΔT=5 K, 35 °C]		L/min	9,2	14,3	20,1	25,8			
Water volume		L	185	185	185	185			
Maximum DHW temperature		°C	65	65	65	65			
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel			
Tapping profile according EN16147		L	L	L	L	L			
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>	A+ to F	A+/A++/A	A+/A++/A	A+/A++/A	A+/A++/A	A+/A/A			
DHW tank ERP average climate η / COPdHW	η <sub>wh</sub> % / COPdHW	128/3,20	140/3,50	140/3,50	140/3,50	100/2,50			
DHW tank ERP warm climate η / COPdHW	η <sub>wh</sub> % / COPdHW	154/3,86	160/4,00	160/4,00	160/4,00	116/2,90			
DHW tank ERP cold climate η / COPdHW	η <sub>wh</sub> % / COPdHW	99/2,48	112/2,80	112/2,80	112/2,80	80/2,00			
<b>Outdoor unit</b>		<b>WH-UDZ03KE5</b>	<b>WH-UDZ05KE5</b>	<b>WH-UDZ07KE5</b>	<b>WH-UDZ09KE5</b>	<b>WH-UDZ12KE5</b>			
Sound power <sup>3)</sup>	Heat	dB(A)	55	55	56	56			
Dimension / Net weight	HxWxD	mm / kg	622x824x298/37	795x875x380/55	795x875x380/55	795x875x380/55			
Refrigerant (R32) / CO <sub>2</sub> , Eq.		kg / T	0,9/0,608	1,3/0,878	1,3/0,878	1,3/0,878			
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)			
Pipe length range / Elevation difference (in / out)		m / m	3-25/20	3-40(3-50) <sup>4)</sup> /30	3-40(3-50) <sup>4)</sup> /30	3-40(3-50) <sup>4)</sup> /30			
Pre-charged pipe length / Additional gas amount		m / g/m	10/20	10/25	10/25	10/30			
Operating range - outdoor ambient	Heat	°C	-20~+35	-25~+35	-25~+35	-25~+35			
	Cool	°C	+10~+43	+10~+43	+10~+43	+10~+43			
Water outlet <sup>6)</sup>	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20			
<b>Electrical information</b>		<b>Heater</b>	<b>3 kW</b>	<b>6 kW</b>	<b>3 kW</b>	<b>6 kW</b>	<b>3 kW</b>	<b>6 kW</b>	<b>6 kW</b>
Electric backup heater	kW	3,00	6,00	3,00	6,00	3,00	6,00	3,00	6,00
Recommended fuse	A	16/16	16/30	16/16	16/30	25/16	25/30	25/16	25/30
Recommended minimum cable size, supply 1 / 2 <sup>7)</sup>	mm <sup>2</sup>	3x1,5/ 3x1,5	3x1,5/ 3x4,0	3x1,5/ 3x1,5	3x1,5/ 3x4,0	3x2,5/ 3x2,5	3x2,5/ 3x2,5	3x2,5/ 3x4,0	3x4,0/ 3x4,0

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN12102 under conditions of the EN14825. 4) Operation range down to -25 °C in heating with 3-40 m pipe length range, operation range down to -15 °C in heating with 3-50 m pipe length range. 5) Ambient temperature down to -10 °C. Below -10 °C, permitted piping length and elevation difference is 3-30 m, 20 m. 6) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 7) Check local regulations. \* Available in Summer 2024. Tentative data. \*\* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC. \*\*\* This product is designed to comply with the European drinking water standard [EU] 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN

Accessories	
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

**NEW Aquarea High Performance All in One K Series Three phase. Heating and Cooling - R32**

**Energy efficiency:** A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel.

**Flexibility:** 598 x 600 footprint / Easy access to hydraulic parts / Built-in magnetic water filter.

**Comfort:** Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



Three phase (power to indoor)				
Kit		KIT-ADC09K9E8	KIT-ADC12K9E8	KIT-ADC16K9E8
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP 9,00/4,90	12,10/4,78	16,00/4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP 9,00/2,97	12,00/2,96	14,70/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP 9,00/3,63	11,50/3,44	13,20/3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP 9,00/2,26	9,20/2,25	10,00/2,21
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP 9,00/2,88	10,10/2,74	11,60/2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP 8,10/2,07	8,40/1,97	9,10/1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER 8,80/3,11	10,70/2,68	13,10/2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER 8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %) 4,96/3,57(195/140)	4,58/3,33(180/130)	4,46/3,40(176/133)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %) 6,47/4,34(256/171)	6,47/4,34(256/171)	6,20/4,30(245/169)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %) 4,31/3,26(169/127)	4,31/3,26(169/127)	4,28/3,10(168/121)
	Energy class <sup>1)</sup>	A+++ to D	A++/A++	A++/A+
<b>Indoor unit</b>		<b>WH-ADC0912K9E8</b>	<b>WH-ADC12K9E8</b>	<b>WH-ADC16K9E8</b>
Sound pressure	Heat / Cool	dB(A) 33/33	33/33	33/33
Dimension	HxWxD	mm 1642x599x602	1642x599x602	1642x599x602
Net weight 3 kW / 6 kW		kg 102	102	103
Water pipe connector		Inch R 1¼	R 1¼	R 1¼
A class pump	Number of speeds	Variable speed	Variable speed	Variable speed
	Input power	W 145	145	145
Heating water flow [ΔT=5 K, 35 °C]		L/min 25,8	34,4	45,9
Water volume		L 185	185	185
Maximum DHW temperature		°C 65	65	65
Material inside tank		Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147		L	L	L
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>		A+ to F	A/A+/A	A/A+/A
DHW tank ERP average climate η / COPdHWH		η <sub>wh</sub> % / COPdHWH 100/2,50	100/2,50	96/2,40
DHW tank ERP warm climate η / COPdHWH		η <sub>wh</sub> % / COPdHWH 116/2,90	116/2,90	115/2,88
DHW tank ERP cold climate η / COPdHWH		η <sub>wh</sub> % / COPdHWH 80/2,00	80/2,00	76/1,90
<b>Outdoor unit</b>		<b>WH-UDZ09KE8</b>	<b>WH-UDZ12KE8</b>	<b>WH-UDZ16KE8</b>
Sound power <sup>3)</sup>	Heat	dB(A) 65	65	65
Dimension / Net weight	HxWxD	mm / kg 1340x900x320/90	1340x900x320/90	1340x900x320/103
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T 1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm) 1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m 3-30/20	3-30/20	3-30/20
Pre-charged pipe length / Additional gas amount		m / g/m 10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C -25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C +10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet <sup>4)</sup>	Heat / Cool	°C 20-60/5-20	20-60/5-20	20-60/5-20
<b>Electrical information</b>		<b>WH-ADC0912K9E8</b>	<b>WH-ADC12K9E8</b>	<b>WH-ADC16K9E8</b>
Electric backup heater		kW 9,00	9,00	9,00
Recommended fuse		A 20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 <sup>5)</sup>		mm <sup>2</sup> 5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D, 2) Scale from A+ to F, 3) Sound power level in accordance to EN12102 under conditions of the EN14825, 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C, 5) Check local regulations. \* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC. \*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility. \*\*\* Available in Summer 2024. Tentative data.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN

Accessories	
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIRESLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

### Aquarea High Performance All in One K Series Single phase. Heating and Cooling 2 zones - R32

**Energy efficiency:** COP up to 5,33 / A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,50.

**Flexibility:** 598 x 600 footprint / Easy access to hydraulic parts / Built-in magnetic water filter / 2 zone control.

**Comfort:** Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



			Single phase (power to indoor)			
Kit			KIT-ADC03K3E5B	KIT-ADC05K3E5B	KIT-ADC07K3E5B	KIT-ADC09K3E5B
Heating capacity / COP [A +7 °C, W 35 °C]		kW / COP	3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55
Heating capacity / COP [A +7 °C, W 55 °C]		kW / COP	3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93
Heating capacity / COP [A +2 °C, W 35 °C]		kW / COP	3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40
Heating capacity / COP [A +2 °C, W 55 °C]		kW / COP	3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18
Heating capacity / COP [A -7 °C, W 35 °C]		kW / COP	3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84
Heating capacity / COP [A -7 °C, W 55 °C]		kW / COP	3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93
Cooling capacity / EER [A 35 °C, W 7 °C]		kW / EER	3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72
Cooling capacity / EER [A 35 °C, W 18 °C]		kW / EER	3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	5,07/3,47 [200/136]	5,12/3,63 [202/142]	4,90/3,62 [193/142]	4,44/3,41 [175/133]
	Energy class <sup>1)</sup>		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	6,20/4,20 [245/165]	6,00/4,20 [237/165]	5,75/4,07 [227/160]	5,75/4,07 [227/160]
	Energy class <sup>1)</sup>		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	4,00/2,83 [157/110]	4,08/2,95 [160/115]	4,18/2,98 [164/116]	4,18/2,98 [164/116]
	Energy class <sup>1)</sup>		A+++ to D	A++ / A+	A++ / A+	A++ / A+
<b>Indoor unit</b>			<b>WH-ADC0309K3E5B</b>	<b>WH-ADC0309K3E5B</b>	<b>WH-ADC0309K3E5B</b>	<b>WH-ADC0309K3E5B</b>
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28	28/28
Dimension	HxWxD	mm	1642x599x602	1642x599x602	1642x599x602	1642x599x602
Net weight		kg	109	109	109	109
Water pipe connector		Inch	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	30/120	30/120	30/120	30/120
Heating water flow [ΔT=5 K, 35 °C]		L/min	9,2	14,3	20,1	25,8
Water volume		L	185	185	185	185
Maximum DHW temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>		A+ to F	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A
DHW tank ERP average climate η / COPdHW		η <sub>wh</sub> % / COPdHW	128/3,20	140/3,50	140/3,50	140/3,50
DHW tank ERP warm climate η / COPdHW		η <sub>wh</sub> % / COPdHW	154/3,86	160/4,00	160/4,00	160/4,00
DHW tank ERP cold climate η / COPdHW		η <sub>wh</sub> % / COPdHW	99/2,48	112/2,80	112/2,80	112/2,80
<b>Outdoor unit</b>			<b>WH-UDZ03KE5</b>	<b>WH-UDZ05KE5</b>	<b>WH-UDZ07KE5</b>	<b>WH-UDZ09KE5</b>
Sound power <sup>3)</sup>	Heat	dB(A)	55	55	56	56
Dimension / Net weight	HxWxD	mm / kg	622x824x298/37	795x875x380/55	795x875x380/55	795x875x380/55
Refrigerant [R32] / CO <sub>2</sub> Eq.		kg / T	0,9/0,608	1,3/0,878	1,3/0,878	1,3/0,878
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range / Elevation difference [in / out]		m / m	3 - 25/20	3 - 40 [3 - 50] <sup>4)</sup> / 30	3 - 40 [3 - 50] <sup>4)</sup> / 30	3 - 40 [3 - 50] <sup>4)</sup> / 30
Pre-charged pipe length / Additional gas amount		m / g/m	10/20	10/25	10/25	10/25
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20

Electrical information		WH-ADC0309K3E5B	WH-ADC0309K3E5B	WH-ADC0309K3E5B	WH-ADC0309K3E5B
Electric backup heater	kW	3,00	3,00	3,00	3,00
Recommended fuse	A	16/16	16/16	25/16	25/16
Recommended minimum cable size, supply 1 / 2 <sup>5)</sup>	mm <sup>2</sup>	3x1,5/3x1,5	3x1,5/3x1,5	3x2,5/3x1,5	3x2,5/3x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7 °C. 4) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 5) Check local regulations. \* EER and COP calculation is based in accordance to EN14511. \*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN

Accessories	
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.



**Aquarea High Performance All in One K Series Single phase. Heating and Cooling with Electrical Anode - R32**

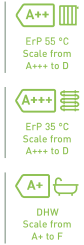
**Energy efficiency:** COP up to 5,33 / A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,50.

**Flexibility:** 598 x 600 footprint / Built-in magnetic water filter / Installation possible in sites with harsh water quality.

**Comfort:** Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



		Single phase (power to indoor)								
Kit 3 kW electric heater		KIT-ADC03K3E5AN	KIT-ADC05K3E5AN	KIT-ADC07K3E5AN	KIT-ADC09K3E5AN	—				
Kit 6 kW electric heater		KIT-ADC03K6E5AN	KIT-ADC05K6E5AN	KIT-ADC07K6E5AN	KIT-ADC09K6E5AN	KIT-ADC12K6E5AN*				
Heating capacity / COP (A +7 °C, W 35 °C)	kW / COP	3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55	12,10/4,78				
Heating capacity / COP (A +7 °C, W 55 °C)	kW / COP	3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93	12,00/2,96				
Heating capacity / COP (A +2 °C, W 35 °C)	kW / COP	3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40	11,50/3,44				
Heating capacity / COP (A +2 °C, W 55 °C)	kW / COP	3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18	9,20/2,25				
Heating capacity / COP (A -7 °C, W 35 °C)	kW / COP	3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84	10,10/2,74				
Heating capacity / COP (A -7 °C, W 55 °C)	kW / COP	3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93	8,40/1,97				
Cooling capacity / EER (A 35 °C, W 7 °C)	kW / EER	3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72	10,70/2,68				
Cooling capacity / EER (A 35 °C, W 18 °C)	kW / EER	3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18	10,70/3,92				
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	5,07/3,47(200/136)	5,12/3,63(202/142)	4,90/3,62(193/142)	4,44/3,41(175/133)	4,58/3,33(180/130)				
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++				
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	6,20/4,20(245/165)	6,00/4,20(237/165)	5,75/4,07(227/160)	5,75/4,07(227/160)	6,47/4,34(256/171)				
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++				
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	4,00/2,83(157/110)	4,08/2,95(160/115)	4,18/2,98(164/116)	4,18/2,98(164/116)	4,31/3,26(169/127)				
	Energy class <sup>1)</sup>	A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A++				
<b>Indoor unit 3 kW electric heater</b>	<b>WH-</b>	<b>ADC0309K3E5AN</b>	<b>ADC0309K3E5AN</b>	<b>ADC0309K3E5AN</b>	<b>ADC0309K3E5AN</b>	—				
<b>Indoor unit 6 kW electric heater</b>	<b>WH-</b>	<b>ADC0309K6E5AN</b>	<b>ADC0309K6E5AN</b>	<b>ADC0309K6E5AN</b>	<b>ADC0309K6E5AN</b>	<b>ADC0912K6E5AN</b>				
Sound pressure	Heat / Cool	dB(A)		28/28	28/28	33/33				
Dimension	H x W x D	mm		1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602				
Net weight		kg		100/101	100/101	-/101				
Water pipe connector		Inch		R 1½	R 1½	R 1½				
A class pump	Number of speeds	Variable speed		Variable speed	Variable speed	Variable speed				
	Input power	W		145	145	145				
Heating water flow (ΔT=5 K, 35 °C)	L/min	9,2		14,3	20,1	25,8				
Water volume	L	185		185	185	185				
Maximum DHW temperature	°C	65		65	65	65				
Material inside tank		Stainless steel		Stainless steel	Stainless steel	Stainless steel				
Tapping profile according EN16147		L		L	L	L				
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>	A+ to F	A+ / A++ / A		A+ / A++ / A	A+ / A++ / A	A+ / A / A				
DHW tank ERP average climate η / COPdHWH	η <sub>wh</sub> % / COPdHWH	128/3,20		140/3,50	140/3,50	100/2,50				
DHW tank ERP warm climate η / COPdHWH	η <sub>wh</sub> % / COPdHWH	154/3,86		160/4,00	160/4,00	116/2,90				
DHW tank ERP cold climate η / COPdHWH	η <sub>wh</sub> % / COPdHWH	99/2,48		112/2,80	112/2,80	80/2,00				
<b>Outdoor unit</b>		<b>WH-UDZ03KE5</b>	<b>WH-UDZ05KE5</b>	<b>WH-UDZ07KE5</b>	<b>WH-UDZ09KE5</b>	<b>WH-UDZ12KE5</b>				
Sound power <sup>3)</sup>	Heat	dB(A)		55	56	65				
Dimension / Net weight	H x W x D	mm / kg		622 x 824 x 298/37	795 x 875 x 380/55	795 x 875 x 380/55				
Refrigerant (R32) / CO <sub>2</sub> Eq.	kg / T	0,9/0,608		1,3/0,878	1,3/0,878	1,6/1,080				
Piping diameter	Liquid / Gas	Inch (mm)		1/4(6,35)/1/2(12,70)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)				
Pipe length range / Elevation difference (in / out)	m / m	3-25/20		3-40(3-50) <sup>4)</sup> /30	3-40(3-50) <sup>4)</sup> /30	3-40(3-50) <sup>4)</sup> /30				
Pre-charged pipe length / Additional gas amount	m / g/m	10/20		10/25	10/25	10/30				
Operating range - outdoor ambient	Heat	°C		-20~+35	-25~+35	-25~+35				
	Cool	°C		+10~+43	+10~+43	+10~+43				
Water outlet <sup>6)</sup>	Heat / Cool	°C		20-60/5-20	20-60/5-20	20-60/5-20				
<b>Electrical information</b>	<b>Heater</b>	<b>3 kW</b>	<b>6 kW</b>	<b>3 kW</b>	<b>6 kW</b>	<b>3 kW</b>	<b>6 kW</b>	<b>3 kW</b>	<b>6 kW</b>	<b>6 kW</b>
Electric backup heater	kW	3,00	6,00	3,00	6,00	3,00	6,00	3,00	6,00	6,00
Recommended fuse	A	16/16	16/30	16/16	16/30	25/16	25/30	25/16	25/30	30/30
Recommended minimum cable size, supply 1 / 2 <sup>7)</sup>	mm <sup>2</sup>	3x1,5/ 3x1,5	3x1,5/ 3x4,0	3x1,5/ 3x1,5	3x1,5/ 3x4,0	3x2,5/ 3x1,5	3x2,5/ 3x4,0	3x2,5/ 3x1,5	3x2,5/ 3x4,0	3x4,0/3x4,0

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN12102 under conditions of the EN14825. 4) Operation range down to -25 °C in heating with 3-40 m pipe length range, operation range down to -10 °C in heating with 3-50 m pipe length range. 5) Ambient temperature down to -10 °C. Below -10 °C, permitted piping length and elevation difference is 3-30 m, 20 m. 6) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 7) Check local regulations. \* Available in Summer 2024. Tentative data. \*\* EER and COP classification is at 230 V only in accordance with EU directive 2009/32/EC. \*\*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN

Accessories	
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIRESLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

**NEW Aquarea High Performance All in One K Series Three phase. Heating and Cooling with Electrical Anode - R32**

**Energy efficiency:** A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel.

**Flexibility:** 598 x 600 footprint / Easy access to hydraulic parts / Built-in magnetic water filter / Installation possible in sites with harsh water quality.

**Comfort:** Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features [2 zone control, bivalent control].

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



			Three phase [power to indoor]		
Kit			KIT-ADC09K9E8AN*	KIT-ADC12K9E8AN*	KIT-ADC16K9E8AN*
Heating capacity / COP [A +7 °C, W 35 °C]		kW / COP	9,00/4,90	12,10/4,78	16,00/4,31
Heating capacity / COP [A +7 °C, W 55 °C]		kW / COP	9,00/2,97	12,00/2,96	14,70/2,72
Heating capacity / COP [A +2 °C, W 35 °C]		kW / COP	9,00/3,63	11,50/3,44	13,20/3,28
Heating capacity / COP [A +2 °C, W 55 °C]		kW / COP	9,00/2,26	9,20/2,25	10,00/2,21
Heating capacity / COP [A -7 °C, W 35 °C]		kW / COP	9,00/2,88	10,10/2,74	11,60/2,57
Heating capacity / COP [A -7 °C, W 55 °C]		kW / COP	8,10/2,07	8,40/1,97	9,10/1,85
Cooling capacity / EER [A 35 °C, W 7 °C]		kW / EER	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER [A 35 °C, W 18 °C]		kW / EER	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	4,96/3,57 [195/140]	4,58/3,33 [180/130]	4,46/3,40 [176/133]
	Energy class <sup>1)</sup>		A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	6,47/4,34 [256/171]	6,47/4,34 [256/171]	6,20/4,30 [245/169]
	Energy class <sup>1)</sup>		A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)	4,31/3,26 [169/127]	4,31/3,26 [169/127]	4,28/3,10 [168/121]
	Energy class <sup>1)</sup>		A++ / A++	A++ / A++	A++ / A+
<b>Indoor unit</b>			<b>WH-ADC0912K9E8AN</b>	<b>WH-ADC0912K9E8AN</b>	<b>WH-ADC16K9E8AN</b>
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33
Dimension	HxWxD	mm	1642x599x602	1642x599x602	1642x599x602
Net weight		kg	102	102	103
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145
Heating water flow [ΔT=5 K, 35 °C]		L/min	25,8	34,4	45,9
Water volume		L	185	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>		A+ to F	A/A+/A	A/A+/A	A/A+/A
DHW tank ERP average climate η / COPdHW		η <sub>wh</sub> % / COPdHW	100/2,50	100/2,50	96/2,40
DHW tank ERP warm climate η / COPdHW		η <sub>wh</sub> % / COPdHW	116/2,90	116/2,90	115/2,88
DHW tank ERP cold climate η / COPdHW		η <sub>wh</sub> % / COPdHW	80/2,00	80/2,00	76/1,90
<b>Outdoor unit</b>			<b>WH-UDZ09KE8</b>	<b>WH-UDZ12KE8</b>	<b>WH-UDZ16KE8</b>
Sound power <sup>3)</sup>	Heat	dB(A)	65	65	65
Dimension / Net weight	HxWxD	mm / kg	1340x900x320/90	1340x900x320/90	1340x900x320/103
Refrigerant [R32] / CO <sub>2</sub> Eq.		kg / T	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Pipe length range / Elevation difference (in / out)		m / m	3-30/20	3-30/20	3-30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet <sup>4)</sup>	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20
<b>Electrical information</b>			<b>WH-ADC0912K9E8</b>	<b>WH-ADC0912K9E8</b>	<b>WH-ADC16K9E8</b>
Electric backup heater		kW	9,00	9,00	9,00
Recommended fuse		A	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 <sup>5)</sup>		mm <sup>2</sup>	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. \* Available in Summer 2024. Tentative data. \*\* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC. \*\*\* This product is designed to comply with the European drinking water standard [EU] 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN

Accessories	
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIRELESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

## Aquarea High Performance All in One Compact H Series Single phase. Heating and Cooling - R410A

**Energy efficiency:** A+++ in heating at 35 °C and A in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.

**Flexibility:** 598 x 600 footprint / Built-in magnetic water filter.

**Comfort:** Operating range down to -20 °C.

**Control:** Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



### Single phase (power to indoor)

Kit			KIT-ADC12HE5C	KIT-ADC16HE5C	
Heating capacity / COP (A +7 °C, W 35 °C)			kW / COP	12,00/4,74	16,00/4,28
Heating capacity / COP (A +7 °C, W 55 °C)			kW / COP	12,00/2,93	14,50/2,72
Heating capacity / COP (A +2 °C, W 35 °C)			kW / COP	11,40/3,44	13,00/3,28
Heating capacity / COP (A +2 °C, W 55 °C)			kW / COP	9,10/2,20	9,80/2,17
Heating capacity / COP (A -7 °C, W 35 °C)			kW / COP	10,00/2,73	11,40/2,57
Heating capacity / COP (A -7 °C, W 55 °C)			kW / COP	8,20/1,92	9,00/1,82
Cooling capacity / EER (A 35 °C, W 7 °C)			kW / EER	10,00/2,81	12,20/2,56
Cooling capacity / EER (A 35 °C, W 18 °C)			kW / EER	10,00/4,17	12,20/4,12
Heating average climate (W 35 °C / W 55 °C)		Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,82/3,42(190/134)	4,82/3,33(190/130)
		Energy class <sup>1)</sup>		A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)		Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,21/4,05(245/159)	6,20/4,30(245/169)
		Energy class <sup>1)</sup>		A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)		Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,29/3,10(168/121)	4,28/3,10(168/121)
		Energy class <sup>1)</sup>		A++ / A+	A++ / A+
<b>Indoor unit</b>			<b>WH-ADC1216H6E5C</b>	<b>WH-ADC1216H6E5C</b>	
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	
Dimension	HxWxD	mm	1642x599x602	1642x599x602	
Net weight		kg	101	101	
Water pipe connector		Inch	R 1¼	R 1¼	
A class pump	Number of speeds		Variable speed	Variable speed	
	Input power (Min/Max)	W	— / —	— / —	
Heating water flow (ΔT=5 K, 35 °C)		L/min	34,40	45,90	
Electric backup heater		kW	6,00	6,00	
Recommended fuse		A	— / —	— / —	
Recommended minimum cable size, supply 1 / 2 <sup>2)</sup>		mm <sup>2</sup>	— / —	— / —	
Water volume		L	185	185	
Maximum DHW temperature		°C	65	65	
Material inside tank			Stainless steel	Stainless steel	
Tapping profile according EN16147			—	—	
DHW tank ERP efficiency average / warm / cold <sup>3)</sup>		A+ to F	— / — / —	— / — / —	
DHW tank ERP average climate η / COPdHW		η <sub>wh</sub> % / COPdHW	92/2,30	88/2,20	
DHW tank ERP warm climate η / COPdHW		η <sub>wh</sub> % / COPdHW	107/2,67	104/2,59	
DHW tank ERP cold climate η / COPdHW		η <sub>wh</sub> % / COPdHW	72/1,81	70/1,74	
<b>Outdoor unit</b>			<b>WH-UD12HE5</b>	<b>WH-UD16HE5</b>	
Sound power <sup>4)</sup>	Heat	dB(A)	65	65	
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 101	1340 x 900 x 320 / 101	
Refrigerant (R410A) / CO <sub>2</sub> Eq.		kg / T	2,55/5,324	2,55/5,324	
Piping diameter		Liquid / Gas Inch (mm)	3/8(9,52) / 5/8(15,88)	3/8(9,52) / 5/8(15,88)	
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 50/30	3 ~ 50/30	
Pre-charged pipe length / Additional gas amount		m / g/m	10/50	10/50	
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-20 ~ +35	
	Cool	°C	+16 ~ +43	+16 ~ +43	
Water outlet		Heat / Cool	°C	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20

1) Scale from A+++ to D. 2) Check local regulations. 3) Scale from A+ to F. 4) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7 °C. \* EER and COP calculation is based in accordance to EN14511. \*\* This product is designed to comply with the European drinking water standard [EU] 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

#### Accessories

<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B

#### Accessories

<b>CZ-NS4P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIRESLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.



## Aquarea High Performance All in One H Series Three phase. Heating and Cooling - R410A

**Energy efficiency:** A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.

**Flexibility:** Optional magnet for the water filter.

**Comfort:** Operating range down to -20 °C.

**Control:** Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



ErP 55 °C  
Scale from  
A+++ to D

ErP 35 °C  
Scale from  
A+++ to D

DHW  
Scale from  
A+ to F

### Three phase (power to indoor)

Kit			KIT-ADC09HE8	KIT-ADC12HE8	KIT-ADC16HE8
Heating capacity / COP [A +7 °C, W 35 °C]		kW / COP	9,00/4,84	12,00/4,74	16,00/4,28
Heating capacity / COP [A +7 °C, W 55 °C]		kW / COP	9,00/2,94	12,00/2,93	14,50/2,72
Heating capacity / COP [A +2 °C, W 35 °C]		kW / COP	9,00/3,59	11,40/3,44	13,00/3,28
Heating capacity / COP [A +2 °C, W 55 °C]		kW / COP	8,80/2,23	9,10/2,23	9,80/2,21
Heating capacity / COP [A -7 °C, W 35 °C]		kW / COP	9,00/2,85	10,00/2,73	11,40/2,57
Heating capacity / COP [A -7 °C, W 55 °C]		kW / COP	7,90/2,05	8,20/1,95	9,00/1,85
Cooling capacity / EER [A 35 °C, W 7 °C]		kW / EER	7,00/3,17	10,00/2,85	12,20/2,56
Cooling capacity / EER [A 35 °C, W 18 °C]		kW / EER	7,00/4,67	10,00/4,26	12,20/4,12
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP [η <sub>s</sub> , %]	4,81/3,41 [190/133]	4,82/3,42 [190/134]	4,82/3,33 [190/130]
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP [η <sub>s</sub> , %]	6,21/4,05 [245/159]	6,21/4,05 [245/159]	6,20/4,30 [245/169]
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP [η <sub>s</sub> , %]	4,28/3,10 [168/121]	4,29/3,10 [168/121]	4,28/3,10 [168/121]
	Energy class <sup>1)</sup>	A+++ to D	A++ / A+	A++ / A+	A++ / A+
<b>Indoor unit</b>			<b>WH-ADC0916H9E8</b>	<b>WH-ADC0916H9E8</b>	<b>WH-ADC0916H9E8</b>
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33
Dimension	HxWxD	mm	1800x598x717	1800x598x717	1800x598x717
Net weight		kg	126	126	126
Water pipe connector		Inch	R 1½	R 1½	R 1½
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	36/152	36/152	36/152
Heating water flow [ΔT=5 K, 35 °C]		L/min	25,8	34,4	45,9
Electric backup heater		kW	9,00	9,00	9,00
Recommended fuse		A	16/16	16/16	16/16
Recommended minimum cable size, supply 1 / 2 <sup>2)</sup>		mm²	5x1,5/5x1,5	5x1,5/5x1,5	5x1,5/5x1,5
Water volume		L	185	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L
DHW tank ERP efficiency average / warm / cold <sup>3)</sup>		A+ to F	A/A/A	A/A/A	A/A/B
DHW tank ERP average climate η / COPdHW		η <sub>wh</sub> % / COPdHW	95/2,37	95/2,37	91/2,27
DHW tank ERP warm climate η / COPdHW		η <sub>wh</sub> % / COPdHW	110/2,75	110/2,75	107/2,67
DHW tank ERP cold climate η / COPdHW		η <sub>wh</sub> % / COPdHW	75/1,87	75/1,87	72/1,80
<b>Outdoor unit</b>			<b>WH-UD09HE8</b>	<b>WH-UD12HE8</b>	<b>WH-UD16HE8</b>
Sound power <sup>4)</sup>	Heat	dB(A)	65	65	65
Dimension / Net weight	HxWxD	mm / kg	1340x900x320/107	1340x900x320/107	1340x900x320/107
Refrigerant (R410A) / CO <sub>2</sub> Eq.		kg / T	2,55/5,324	2,55/5,324	2,55/5,324
Piping diameter	Liquid / Gas	Inch [mm]	3/8 [9,52]/5/8 [15,88]	3/8 [9,52]/5/8 [15,88]	3/8 [9,52]/5/8 [15,88]
Pipe length range / Elevation difference (in / out)		m / m	3~30/20	3~30/20	3~30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/50	10/50	10/50
Operating range - outdoor ambient	Heat	°C	-20~+35	-20~+35	-20~+35
	Cool	°C	+16~+43	+16~+43	+16~+43
Water outlet	Heat / Cool	°C	20~55/5~20	20~55/5~20	20~55/5~20

1) Scale from A+++ to D. 2) Check local regulations. 3) Scale from A+ to F. 4) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7 °C. \* EER and COP calculation is based in accordance to EN14511. \*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

#### Accessories

<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B

#### Accessories

<b>CZ-NS4P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIRELESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

## Aquarea High Performance Bi-bloc K Series Single phase. Heating and Cooling - SDC - R32

**Energy efficiency:** COP up to 5,33 / A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.

**Flexibility:** Long piping lengths / Built-in magnetic water filter.

**Comfort:** Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



		Single phase (power to indoor)							
Kit 3 kW electric heater		KIT-WC03K3E5	KIT-WC05K3E5	KIT-WC07K3E5	KIT-WC09K3E5	—			
Kit 6 kW electric heater		KIT-WC03K6E5	KIT-WC05K6E5	KIT-WC07K6E5	KIT-WC09K6E5	KIT-WC12K6E5*			
Heating capacity / COP (A +7 °C, W 35 °C)	kW / COP	3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55	12,10/4,78			
Heating capacity / COP (A +7 °C, W 55 °C)	kW / COP	3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93	12,00/2,96			
Heating capacity / COP (A +2 °C, W 35 °C)	kW / COP	3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40	11,50/3,44			
Heating capacity / COP (A +2 °C, W 55 °C)	kW / COP	3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18	9,20/2,25			
Heating capacity / COP (A -7 °C, W 35 °C)	kW / COP	3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84	10,10/2,74			
Heating capacity / COP (A -7 °C, W 55 °C)	kW / COP	3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93	8,40/1,97			
Cooling capacity / EER (A 35 °C, W 7 °C)	kW / EER	3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72	10,70/2,68			
Cooling capacity / EER (A 35 °C, W 18 °C)	kW / EER	3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18	10,70/3,92			
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	5,07/3,47(200/136)	5,12/3,63(202/142)	4,90/3,62(193/142)	4,44/3,41(175/133)	4,58/3,33(180/130)		
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++		
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,20/4,20(245/165)	6,00/4,20(237/165)	5,75/4,07(227/160)	5,75/4,07(227/160)	6,47/4,34(256/171)		
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++		
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,00/2,83(157/110)	4,08/2,95(160/115)	4,18/2,98(164/116)	4,18/2,98(164/116)	4,31/3,26(169/127)		
	Energy class <sup>1)</sup>	A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A++		
<b>Indoor unit 3 kW electric heater</b>		<b>WH-SDC0309K3E5</b>	<b>WH-SDC0309K3E5</b>	<b>WH-SDC0309K3E5</b>	<b>WH-SDC0309K3E5</b>	<b>—</b>			
<b>Indoor unit 6 kW electric heater</b>		<b>WH-SDC0309K6E5</b>	<b>WH-SDC0309K6E5</b>	<b>WH-SDC0309K6E5</b>	<b>WH-SDC0309K6E5</b>	<b>WH-SDC12K6E5</b>			
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	30/30	30/31	33/33		
Dimension	H x W x D	mm	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348		
Net weight 3 kW / 6 kW		kg	40/41	40/41	40/41	40/41	41		
Water pipe connector		Inch	R 1½	R 1½	R 1½	R 1½	R 1½		
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed		
	Input power	W	145	145	145	145	145		
Heating water flow (ΔT=5 K, 35 °C)		L/min	9,2	14,3	20,1	25,8	34,4		
<b>Outdoor unit</b>		<b>WH-UDZ03KE5</b>	<b>WH-UDZ05KE5</b>	<b>WH-UDZ07KE5</b>	<b>WH-UDZ09KE5</b>	<b>WH-UDZ12KE5</b>			
Sound power <sup>2)</sup>	Heat	dB(A)	55	55	56	56	65		
Dimension	H x W x D	mm	622 x 824 x 298	795 x 875 x 380	795 x 875 x 380	795 x 875 x 380	1340 x 900 x 320		
Net weight		kg	37	55	55	55	88		
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	0,9/0,608	1,3/0,878	1,3/0,878	1,3/0,878	1,6/1,080		
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/1/2(12,7)		
Pipe length range		m	3-25	3-40(3-50) <sup>3)</sup>	3-40(3-50) <sup>3)</sup>	3-40(3-50) <sup>3)</sup>	3-30		
Elevation difference (in / out)		m	20	30	30	30	20		
Pre-charged pipe length		m	10	10	10	10	10		
Additional gas amount		g/m	20	25	25	25	30		
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35		
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43		
Water outlet <sup>4)</sup>	Heat / Cool	°C	20-60/5-20	20-60/5-20	20-60/5-20	20-60/5-20	20-60/5-20		
<b>Electrical information</b>		<b>Heater</b>	<b>3 kW</b>	<b>6 kW</b>	<b>3 kW</b>	<b>6 kW</b>	<b>3 kW</b>	<b>6 kW</b>	<b>6 kW</b>
Electric backup heater		kW	3,00	6,00	3,00	6,00	3,00	6,00	6,00
Recommended fuse		A	16/16	16/30	16/16	16/30	25/16	25/30	30/30
Recommended minimum cable size, supply 1 / 2 <sup>5)</sup>		mm <sup>2</sup>	3x1,5/ 3x1,5	3x1,5/ 3x4,0	3x1,5/ 3x4,0	3x1,5/ 3x4,0	3x2,5/ 3x4,0	3x2,5/ 3x4,0	3x4,0/3x4,0

1) Scale from A+++ to D. 2) Sound power level in accordance to EN12102 under conditions of the EN14825. 3) Operation range down to -25 °C in heating with 3-40 m pipe length range, operation range down to -15 °C in heating with 3-50 m pipe length range. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. \* Available in Summer 2024. Tentative data. \*\* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC. \*\*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>PAW-TD20C1E5-1</b>	Tank 200 L - Stainless steel
<b>PAW-TD30C1E5-1</b>	Tank 300 L - Stainless steel
<b>PAW-TA20C1E5STD</b>	Tank 200 L - Enamelled
<b>PAW-TA30C1E5STD</b>	Tank 300 L - Enamelled
<b>PAW-3WYVLV-HW</b>	3 way valve for DHW tanks
<b>CZ-NV2</b>	3 way valve kit to fit inside the hydrokit. K and L Series

Accessories	
<b>PAW-BTANK50L-2</b>	Buffer tank 50 L
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

## NEW Aquarea High Performance Bi-bloc K Series Three phase. Heating and Cooling - SDC - R32

**Energy efficiency:** A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.

**Flexibility:** Long piping lengths / Built-in magnetic water filter.

**Comfort:** Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features [2 zone control, bivalent control].

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



New  
2024

A+++

ErP 55 °C  
Scale from  
A+++ to D

A+++

ErP 35 °C  
Scale from  
A+++ to D

		Three phase (power to indoor)			
Kit 3 kW electric heater		KIT-WC09K3E8*	—	—	—
Kit 9 kW electric heater		KIT-WC09K9E8*	KIT-WC12K9E8*	KIT-WC16K9E8*	KIT-WC16K9E8*
Heating capacity / COP [A +7 °C, W 35 °C]	kW / COP	9,00/4,90	12,10/4,78	16,00/4,31	16,00/4,31
Heating capacity / COP [A +7 °C, W 55 °C]	kW / COP	9,00/2,97	12,00/2,96	14,70/2,72	14,70/2,72
Heating capacity / COP [A +2 °C, W 35 °C]	kW / COP	9,00/3,63	11,50/3,44	13,20/3,28	13,20/3,28
Heating capacity / COP [A +2 °C, W 55 °C]	kW / COP	9,00/2,26	9,20/2,25	10,00/2,21	10,00/2,21
Heating capacity / COP [A -7 °C, W 35 °C]	kW / COP	9,00/2,88	10,10/2,74	11,60/2,57	11,60/2,57
Heating capacity / COP [A -7 °C, W 55 °C]	kW / COP	8,10/2,07	8,40/1,97	9,10/1,85	9,10/1,85
Cooling capacity / EER [A 35 °C, W 7 °C]	kW / EER	8,80/3,11	10,70/2,68	13,40/2,64	13,40/2,64
Cooling capacity / EER [A 35 °C, W 18 °C]	kW / EER	8,80/4,63	10,70/3,92	15,50/3,60	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	4,96/3,57 [195/140]	4,58/3,33 [180/130]	4,46/3,40 [176/133]	4,46/3,40 [176/133]
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	6,47/4,34 [256/171]	6,47/4,34 [256/171]	6,20/4,30 [245/169]	6,20/4,30 [245/169]
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	4,31/3,26 [169/127]	4,31/3,26 [169/127]	4,28/3,10 [168/121]	4,28/3,10 [168/121]
	Energy class <sup>1)</sup>	A+++ to D	A++/A++	A++/A++	A++/A++
<b>Indoor unit 3 kW electric heater</b>		<b>WH-SDC09K3E8</b>	—	—	—
<b>Indoor unit 9 kW electric heater</b>		<b>WH-SDC09K9E8</b>	<b>WH-SDC12K9E8</b>	<b>WH-SDC16K9E8</b>	<b>WH-SDC16K9E8</b>
Sound pressure	Heat / Cool	dB(A)		33/33	33/33
Dimension	HxWxD	mm		892x500x348	892x500x348
Net weight 3 kW / 9 kW		kg		40/41	—/41
Water pipe connector		Inch		R 1½	R 1½
A class pump	Number of speeds	Variable speed		Variable speed	Variable speed
	Input power	W		145	145
Heating water flow (ΔT=5 K, 35 °C)		L/min		25,8	34,4
<b>Outdoor unit</b>		<b>WH-UDZ09KE8</b>	<b>WH-UDZ12KE8</b>	<b>WH-UDZ16KE8</b>	<b>WH-UDZ16KE8</b>
Sound power <sup>2)</sup>	Heat	dB(A)		65	65
Dimension	HxWxD	mm		1340x900x320	1340x900x320
Net weight		kg		90	103
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T		1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)		1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Pipe length range		m		3~30	3~30
Elevation difference (in / out)		m		20	20
Pre-charged pipe length		m		10	10
Additional gas amount		g/m		30	30
Operating range - outdoor ambient	Heat	°C		-25 ~ +35	-25 ~ +35
	Cool	°C		+10 ~ +43	+10 ~ +43
Water outlet <sup>3)</sup>	Heat / Cool	°C		20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20
<b>Electrical information</b>		<b>3 kW heater</b>	<b>9 kW heater</b>	<b>9 kW heater</b>	<b>9 kW heater</b>
Electric backup heater	kW	3,00	9,00	9,00	9,00
Recommended fuse	A	20/15/16	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 <sup>4)</sup>	mm <sup>2</sup>	5x1,5/3x1,5	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN12102 under conditions of the EN14825. 3) Operation range down to -25 °C in heating with 3~40 m pipe length range, operation range down to -15 °C in heating with 3~50 m pipe length range. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. \* Available in Summer 2024. Tentative data. \*\* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC. \*\*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>PAW-TD20C1E5-1</b>	Tank 200 L - Stainless steel
<b>PAW-TD30C1E5-1</b>	Tank 300 L - Stainless steel
<b>PAW-TA20C1E5STD</b>	Tank 200 L - Enamelled
<b>PAW-TA30C1E5STD</b>	Tank 300 L - Enamelled
<b>PAW-3WYVVLV-HW</b>	3 way valve for DHW tanks
<b>CZ-NV2</b>	3 way valve kit to fit inside the hydrokit. K and L Series

Accessories	
<b>PAW-BTANK50L-2</b>	Buffer tank 50 L
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.

## Aquarea High Performance Bi-bloc H Series Single phase / Three phase. Heating and Cooling - SDC - R410A

**Energy efficiency:** A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.

**Flexibility:** Optional magnet for the water filter.

**Comfort:** Operating range down to -20 °C.

**Control:** Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.

011-1W0515



			Single phase		Three phase [power to indoor]		
Kit			KIT-WC12H6E5	KIT-WC16H6E5	KIT-WC09H3E8	KIT-WC12H9E8	KIT-WC16H9E8
Heating capacity / COP (A +7 °C, W 35 °C)	kW / COP		12,00/4,74	16,00/4,28	9,00/4,84	12,00/4,74	16,00/4,28
Heating capacity / COP (A +7 °C, W 55 °C)	kW / COP		12,00/2,88	14,50/2,68	9,00/2,94	12,00/2,88	14,50/2,68
Heating capacity / COP (A +2 °C, W 35 °C)	kW / COP		11,40/3,44	13,00/3,28	9,00/3,59	11,40/3,44	13,00/3,28
Heating capacity / COP (A +2 °C, W 55 °C)	kW / COP		9,10/2,20	9,80/2,17	8,80/2,23	9,10/2,20	9,80/2,17
Heating capacity / COP (A -7 °C, W 35 °C)	kW / COP		10,00/2,73	11,40/2,57	9,00/2,85	10,00/2,73	11,40/2,57
Heating capacity / COP (A -7 °C, W 55 °C)	kW / COP		8,20/1,92	9,00/1,82	7,90/2,05	8,20/1,92	9,00/1,82
Cooling capacity / EER (A 35 °C, W 7 °C)	kW / EER		10,00/2,81	12,20/2,56	7,00/3,14	10,00/3,91	12,20/2,56
Cooling capacity / EER (A 35 °C, W 18 °C)	kW / EER		10,00/4,17	12,20/4,12	7,00/4,61	10,00/4,17	12,20/4,12
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,82/3,42[190/134]	4,82/3,33[190/130]	4,81/3,41[190/133]	4,82/3,42[190/134]	4,82/3,33[190/130]
	Energy class		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,21/4,05[245/159]	6,21/4,30[245/169]	6,21/4,05[245/159]	6,21/4,05[245/159]	6,20/4,30[245/169]
	Energy class		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,29/3,10[168/121]	4,28/3,10[168/121]	4,28/3,10[168/121]	4,29/3,10[168/121]	4,28/3,10[168/121]
	Energy class		A+++ / A+	A+++ / A+	A+++ / A+	A+++ / A+	A+++ / A+
<b>Indoor unit</b>			<b>WH-SDC12H6E5</b>	<b>WH-SDC16H6E5</b>	<b>WH-SDC09H3E8</b>	<b>WH-SDC12H9E8</b>	<b>WH-SDC16H9E8</b>
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension	HxWxD	mm	892x500x340	892x500x340	892x500x340	892x500x340	892x500x340
Net weight		kg	43	44	43	44	45
Water pipe connector		Inch	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power [Min/Max]	W	34/110	30/105	32/102	34/110	30/105
Heating water flow [ΔT=5 K, 35 °C]		L/min	34,4	45,9	25,8	34,4	45,9
Electric backup heater		kW	6,00	6,00	3,00	9,00	9,00
Recommended fuse		A	30/30	30/30	15/30	15/30	15/30
Recommended minimum cable size, supply 1 / 2 <sup>1)</sup>		mm <sup>2</sup>	3x4,0ou 6,0/3x4,0	3x4,0ou 6,0/3x4,0	5x1,5/5x1,5	5x1,5/5x1,5	5x1,5/5x1,5
<b>Outdoor unit</b>			<b>WH-UD12HE5</b>	<b>WH-UD16HE5</b>	<b>WH-UD09HE8</b>	<b>WH-UD12HE8</b>	<b>WH-UD16HE8</b>
Sound power <sup>2)</sup>	Heat	dB(A)	65	65	65	65	65
Dimension	HxWxD	mm	1340x900x320	1340x900x320	1340x900x320	1340x900x320	1340x900x320
Net weight		kg	101	101	107	107	107
Refrigerant (R410A) / CO <sub>2</sub> Eq.		kg / T	2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324
Piping diameter	Liquid / Gas	Inch (mm)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)
Pipe length range		m	3-50	3-50	3-30	3-30	3-30
Elevation difference (in / out)		m	30	30	20	20	20
Pre-charged pipe length		m	10	10	10	10	10
Additional gas amount		g/m	50	50	50	50	50
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
	Cool	°C	+16 ~ +43	+16 ~ +43	+16 ~ +43	+16 ~ +43	+16 ~ +43
Water outlet	Heat / Cool	°C	20-55/5-20	20-55/5-20	20-55/5-20	20-55/5-20	20-55/5-20

1) Check local regulations. 2) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7 °C. \* EER and COP calculation is based in accordance to EN14511.

Accessories	
<b>PAW-TD20C1E5-1</b>	Tank 200 L - Stainless steel
<b>PAW-TD30C1E5-1</b>	Tank 300 L - Stainless steel
<b>PAW-TA20C1E5STD</b>	Tank 200 L - Enamelled
<b>PAW-TA30C1E5STD</b>	Tank 300 L - Enamelled
<b>PAW-3WYVLV-HW</b>	3 way valve for DHW tanks
<b>CZ-NV1</b>	3 way valve kit to fit inside the hydrokit. J and H Series
<b>PAW-BTANK50L-2</b>	Buffer tank 50 L

Accessories	
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS4P</b>	PCB for advanced functions
<b>PAW-A2W-MGTFILTER</b>	Magnet for the water filter
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.